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REMARKS

Claim 1-41 are pending in this application. Claims

1, 11, 22 and 32 are independent. Claims 5-10, 15-21, 26-31 and

36-41 have been amended to correct their multiple dependency

form.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 625-3500. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

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MARKED-UP CLAIMS

- 5. (Amended) The optical sensor defined in any one of [claims 1-3] <u>claim 1</u>, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.
- 6. (Amended) The optical sensor defined in any one of [claims 1-3] <u>claim 1</u>, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.
- 7. (Amended) The optical sensor defined in any one of [claims 1-6] <u>claim 1</u>, wherein the radiation collector is directly mounted to the sensor element.
- 8. (Amended) The optical sensor defined in any one of [claims 1-6] <u>claim 1</u>, wherein the radiation collector is remote from the radiation sensor.

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- 9. (Amended) The optical sensor defined in any one of [claims 1-8] claim 1, wherein the radiation collector has a polygonal cross-section.
- of [claims 1-8] <u>claim 1</u>, wherein the radiation collector has a generally circular cross-section.
- 15. (Amended) The radiation source module defined in any one of [claims 11-14] claim 11, wherein the at least one radiation source is disposed within a protective sleeve.
- 16. (Amended) The radiation source module defined in any one of [claims 11-15] claim 11, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.
- 17. (Amended) The radiation source module defined in any one of [claims 11-15] claim 11, wherein the radiation collector comprises a distal surface having a generally convex

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shape which refracts and reflects the incident radiation along the pathway.

- 18. (Amended) The radiation source module defined in any one of [claims 11-17] claim 11, wherein the radiation collector is directly mounted to the sensor element.
- 19. (Amended) The radiation source module defined in any one of [claims 11-17] claim 11, wherein the radiation collector is remote from the radiation sensor.
- 20. (Amended) The radiation source module defined in any one of [claims 11-19] claim 11, wherein the radiation collector has a polygonal cross-section.
- 21. (Amended) The radiation source module defined in any one of [claims 11-19] claim 11, wherein the radiation collector has a generally circular cross-section.
- 26. (Amended) The radiation source assembly defined in any one of [claims 22-25] <u>claim 22</u>, wherein the radiation collector comprises a distal surface having a generally concave

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shape and further comprises a reflective surface to reflect the incident radiation along the pathway.

- 27. (Amended) The radiation source assembly defined in any one of [claims 22-25] <u>claim 22</u>, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.
- 28. (Amended) The radiation source assembly defined in any one of [claims 22-27] <u>claim 22</u>, where the radiation collector is directly mounted to the sensor element.
- 29. (Amended) The radiation source assembly defined in any one of [claims 22-27] claim 22, wherein the radiation collector is remote from the radiation sensor.
- 30. (Amended) The radiation source assembly defined in any one of [claims 22-29] claim 22, wherein the radiation collector has a polygonal cross-section.

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- 31. (Amended) The radiation source assembly defined in any one of [claims 22-29] claim 22, wherein the radiation collector has a generally circular cross-section.
- 36. (Amended) The fluid treatment system defined in any one of [claims 32-35] claim 32, wherein the radiation collector comprises a distal surface having a generally concave shape and further comprises a reflective surface to reflect the incident radiation along the pathway.
- 37. (Amended) The fluid treatment system defined in any one of [claims 32-35] claim 32, wherein the radiation collector comprises a distal surface having a generally convex shape which refracts and reflects the incident radiation along the pathway.
- 38. (Amended) The fluid treatment system defined in any one of [claims 32-37] <u>claim 32</u>, wherein the radiation collector is directly mounted to the sensor element.

- 39. (Amended) The fluid treatment system defined in any one of [claims 32-37] claim 32, wherein the radiation collector is remote from the radiation sensor.
- 40. (Amended) The fluid treatment system defined in any one of [claims 32-39] claim 32, wherein the radiation collector has a polygonal cross-section.
- 41. (Amended) The fluid treatment system defined in any one of [claims 32-39] claim 32, wherein the radiation collector has a generally circular cross-section.